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□ Program Management □ Manufacturing Engineering & Resources □ Automotive & Industrial

## Need the best Engineering team possible ?

### NOA industry specialists deliver your goals



Delivering manufacturing and industrial projects is tougher than ever. NOA recognise the need for keeping costs and risks down and quality high.

That's why NOA specialise in providing you with a team of expert engineers and managers to deliver your projects effectively.

NOA's core business is as an engineering service provider. Services range from supporting you with engineers, feasibility studies, to complete process and equipment engineering and project management of turn key solutions. All that is needed to deliver a complete solution to industry.

#### Colin Knox - Programs Director

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### Our Services

Support your team	<ul style="list-style-type: none"> <li>Specialist Engineers</li> </ul>
Concept	<ul style="list-style-type: none"> <li>Feasibility</li> <li>Cost planning</li> </ul>
	<ul style="list-style-type: none"> <li>Technologies</li> </ul>
Planning	<ul style="list-style-type: none"> <li>Master scheduling &amp; plans</li> <li>Project organisation</li> <li>Supplier coordination</li> </ul>
	<ul style="list-style-type: none"> <li>Factory &amp; line layout</li> </ul>
	<ul style="list-style-type: none"> <li>Process design</li> </ul>
Engineering	<ul style="list-style-type: none"> <li>Tooling &amp; handling</li> </ul>
	<ul style="list-style-type: none"> <li>Install sequencing</li> </ul>
Installations	<ul style="list-style-type: none"> <li>Site &amp; safety plan</li> </ul>
	<ul style="list-style-type: none"> <li>Installation team</li> </ul>

## Success at Jaguar Cars

Jaguar Cars Ltd UK, part of Ford's Premier Automotive Group needed to quickly cut costs and launch a new model to remain competitive. Jaguar decided to close their historic Coventry plant and relocated XJ & XK production their Birmingham plant to achieve these goals.

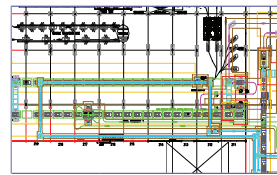
An incredible achievement considering they re-launched XJ and the all new XK sports car within a week of each other. NOA supported Jaguar executives with master planning of the project and their manufacturing engineering function with factory layout and lean process development to make the Birmingham plant a highly efficient operation.

INNOVATE PLAN IMPLEMENT

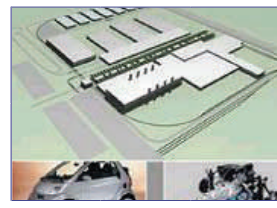
### Strategy & Concepts



### Design & planning



### Construct & Installation



### Process Optimisation



## Recent Projects

### Jaguar Cars Ltd

See story below.

### Ford Motor Company

Lean engineering facility & process design of pedal assembly lines

### General Motors

Plant wide upgrade at GM Thailand. Engineering & project management.

### TATA Motors India

Plant & process improvement specifications.

### Daimler Chrysler China

Plant relocation feasibility to make way for 2008 Olympic stadiums.

### Brita Water Filters

Project management of new factory & relocation.

### Industrial Planning Fischer.

Engineering & consulting for their global operations.

### NOA Proven Methods

- Lean & Value Engineering
- Gateway Planning
- Simultaneous Engineering
- Contractual Management
- Advanced Quality Planning
- CAD & Virtual Engineering
- Supplier Coordination

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